

PPSC Chemistry Part III Inorganic Chemistry Online Test

Sr	Questions	Answers Choice
1	Metallic bond is treated essentially as in character	A. Ionic B. Covalent C. Polar D. Non polar
2	Atomic volume of C, N, O and F are in the order	A. C > N > F > O B. C > N > O > F C. F > O > N > C D. N > C > O > F
3	Which can be purified by sublimation	A. F ₂ B. Cl ₂ C. Be ₂ D. I ₂
4	pH of pure water at 25 °C. $K_w = 1 \times 10^{-14}$	A. 0 B. 7 C. 14 D. None of above
5	Which of the following oxides is amphoteric..	A. CaO B. BaO C. BeO D. MgO
6	Which compound among the following does not contain an ionic bond.	A. NaOH B. HCl C. K ₂ S D. LiH
7	Which one of following is non polar	A. CH ₂ Cl ₂ B. CCl ₄ C. CHCl ₃ D. CH ₃ Cl
8	Which of the following statements about anhydrous aluminium chloride is correct.	A. It exists as AlCl ₃ molecules B. It is not easily hydrolysed C. It sublimes at 100 ^oC under vacuum D. Boron does not form B³⁺ ions
9	Which is the second most abundant element occurring the earth crust.	A. Iron B. Cu C. Cr D. Ni
10	Stainless steel contains.	A. Fe + Cr + Ni B. Fe + Ni + Cu C. Fe + Cr + Cu D. Cu + C + Ni
11	Which of the following are neutral ligands.	A. NH ₃ B. H ₂ O C. CO & NO D. All of above
12	Which of the following statements is not true about potash alum.	A. Its empirical formula is KAl(SO ₄) ₂ 12H ₂ O B. Its aqueous solution is basic in nature C. It is used in dyeing industry D. On heating it melts in its water of crystallization
13	Boric acid is added to glass because is.	A. Makes the glass opalescent B. Reduces the coefficient of expansion C. Makes the glass brittle D. Increases refractive index of the glass.
14	The bond angle in Sp^2 hybridization is.	A. 180 ^o B. 120 ^o C. 100 ^o

15 Has maximum property of catenation.
A. C
B. Si
C. Sn
D. Pb

16 Pick out the incorrect statement for Xe F₆
A. XeF₆ is hydrolyzed practically to form XeOF₄
B. It reacts with SiO₂ to form Xe F₄
C. On complete hydrolysis, it forms XeO₃
D. It acts as F acceptor when treated with alkali metal fluoride, but cannot act as F donor to form complexes.

17 HClO₂ gives the structure of a.
A. Linear
B. Angular
C. trigonal pyramidal
D. Tetrahedral

18 Which of the following elements display maximum tendency to form P Pi - p Pi multiple bonds with itself and with carbon and oxygen.
A. N
B. p
C. Bi
D. As

19 In Danner's method the end of the copper caps into which graphite electrode are fixed with cement.
A. Portland
B. Bakelite
C. Asbestos
D. All of above

20 Metallic magnesium is obtained by
A. Reduction of MgO with Coke
B. Electrolysis of an aqueous solution of MgCl₂
C. Electrolysis of molten MgCl₂
D. Displacement of magnesium by iron from MgCl₂ solution.